

UPDATED
SAN JOAQUIN VALLEY MPO
SB-375 STEP 1 DOCUMENTATION

May 24, 2010

Overview: The April 9, 2010 SJV Director submittal has been updated to address the following:

- correct errors,
- be consistent with Draft 2011 TIP/RTP/Conformity (in some cases),
- include updated “trip extraction” methodology previously noted as forthcoming, and
- include new methodology consistent with “big 4” decision to extract XX trips only.

This update has been developed using a consistent valley-wide methodology for both transportation data and emissions estimates. Fresno COG and Kern COG have or will be submitting Step 1 baseline data separately to ARB; as a result, the following documentation and summary data applies to the other six SJV MPOs only.

Methods and Nomenclature:

- Method “A” include all trips / VMT within County (similar to conformity)
- Method “B” extracts 50% IX|XI and all XX within County; 50% to tribal land/military base and no IZ on tribal land/military base (uses script developed in February 2010 as documented in April 9, 2010 submittal)
- Method “B1/B2/B3” applies statewide model using three approaches to extract 50% IX|XI and all XX outside of each County. A memo from Dowling Associates, Inc. dated May 7, 2010 regarding the “Application of the Statewide Model for Interregional Travel” is attached for information. It is important to note that the emissions estimates were developed using the average daily VMT by speed bin. A sensitivity run was conducted to compare the impacts of peak/off-peak period modeling and average daily on CO2 emission estimates from EMFAC and the results were determined to be negligible. The emission results from each approach were then combined with Method “B” above.
- Method “C” extracts all XX trips / VMT only within County (uses script developed in May 2010)

This updated submittal also includes “example reduction” tabs. These tabs illustrate a sample target and the resulting emissions and VMT reduction that would be needed to meet that target. Additional data such as change in emissions and VMT per capital is also provided. The example reduction information is being provided in response to the request from ARB to illustrate the impact of the various approaches on potential targets.

Public Availability: Each SJV MPO has been instructed to post this updated submittal on their web-site to make available to the public.

